

PROJECT DESCRIPTION

GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF AN INTERCONNECT SYSTEM ALONG MD 542 (LOCH RAVEN BOULEVARD) FROM HILLENDALE SHOPPING CENTER TO LOCH HILL ROAD IN BALTIMORE COUNTY, MARYLAND. MD 542 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THE INTERSECTION OPERATION WILL REMAIN THE SAME AT EACH INTERSECTION.

CONTROLLER REQUIREMENTS

THE EXISTING POLE MOUNTED CABINET AND CONTROLLER WILL BE USED AT EACH INTERSECTION. SEE SIGNAL PLANS FOR CONTROLLER CABINET MODIFICATIONS.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE SUPPLIED BY THE SHA

ITEM NO.	QUANTITY	DESCRIPTION
9000	3 EACH	QUICK CONNECT BLOCK AND HARNESS FOR TELEMETRY PANEL I/O PANEL
9016	5 EACH	FOUR-CHANNEL, TIME-DELAY-OUTPUT, LOOP DETECTOR AMPLIFIER
9046	1 EACH	DETECTOR RACK RETRO-FIT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR

ITEM NO.	QUANTITY	DESCRIPTION
1001	2 EACH	MAINTENANCE OF TRAFFIC
2002	10 C.Y.	TEST PIT EXCAVATION
6004	120 S.F.	4 IN. CONCRETE SIDEWALK
8003	3 EACH	3/4 IN. TO 3 IN. BLIND COUPLING WELDED AND GALVANIZED
8037	430 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - BORED
8040	1800 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - TRENCHED
8043	1900 L.F.	FURNISH AND INSTALL 3 IN. SCHEDULE 80 RIGID PVC CONDUIT - SLOTTED
8045	30 L.F.	FURNISH AND INSTALL 1 INCH LIQUID TIGHT FLEXIBLE NON-METALLIC CONDUIT FOR DETECTOR WIRE SLEEVE
8054	23 EACH	FURNISH AND INSTALL ELECTRICAL HANDHOLE
8070	6000 L.F.	FURNISH AND INSTALL 12-PAIR COMMUNICATION CABLE, JELLY-FILLED (UNDERGROUND)
8082	355 L.F.	FURNISH AND INSTALL ELECTRICAL CABLE - 2 CONDUCTOR (ALUMINUM SHIELDED)
8088	1700 L.F.	FURNISH AND INSTALL LOOP WIRE ENCASED IN 1/4 INCH FLEXIBLE TUBING (NO. 14 A.W.G.)
8089	485 L.F.	SAW CUT FOR SIGNAL (LOOP DETECTOR)

MAINTENANCE OF TRAFFIC

THE FOLLOWING TRAFFIC CONTROL STANDARDS SHALL BE REFERENCED FOR THE PROJECT.

STANDARD NO. MD-104.04-01 (SHOULDER WORK)  
STANDARD NO. MD-104.04-03 (LEFT LANE CLOSURE)  
STANDARD NO. MD-104.04-05 (RIGHT LANE CLOSURE)  
STANDARD NO. MD-104.04-13 (LEFT-TURN BAY CLOSURE)  
STANDARD NO. MD-104.04-15 (INTERSECTION TURN BAY/LANE CLOSURE)

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE REMOVED AND RETURNED TO SHA

THE SIGNAL EQUIPMENT AND ALL OTHER MATERIALS TO BE REMOVED BY THE CONTRACTOR SHALL BECOME THE PROPERTY OF THE CONTRACTOR.

PROJECT CONTACTS

THE CONTACT PERSONS FOR SHA ARE AS FOLLOWS:

MR. RANDALL SCOTT  
ASSISTANT DISTRICT ENGINEER - TRAFFIC  
PHONE: (410) 321-2781/2785

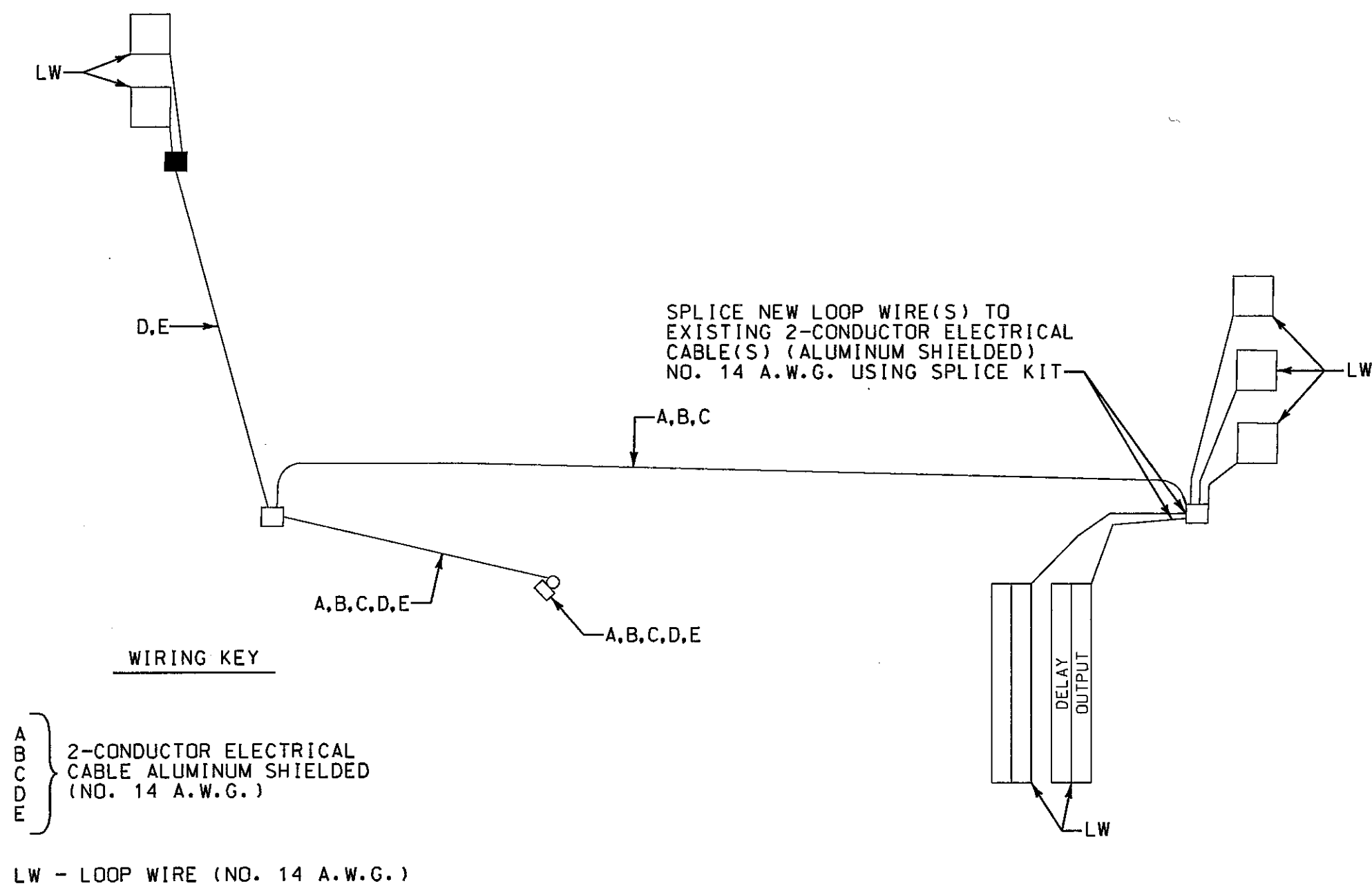
MS. SUENETTE POPE  
DISTRICT UTILITY ENGINEER  
PHONE: (410) 321-2841

MR. STEVE MARCISZEWSKI  
ASSISTANT DISTRICT ENGINEER - MAINTENANCE  
PHONE: (410) 321-2761

MR. RICHARD L. DAFF, SR.  
CHIEF, TRAFFIC OPERATIONS DIVISION  
PHONE: (410) 787-7630

WIRING DIAGRAM

MD 542 AND GLENDALE/DEANWOOD ROAD



SHA#BA493A51/B51 TOD#AT566-04

IC-4



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET

MD 542 (LOCH RAVEN BLVD) FROM  
HILLENDALE SHOPPING CTR TO LOCH HILL RD



Whitman, Reardon  
and Associates, LLP  
801 South Caroline Street  
Baltimore, Maryland 21231  
(410) 235-3450

DRAWN BY: S. BLOSS	F.A.P. NO. AC-CMG-STPG-0005(986)E	TS NO.
CHECKED BY: N. LEARY	S.H.A. NO. AT5665185	SHEET NO.
SCALE: NONE	COUNTY: BALTIMORE	T.I.M.S. NO. F841
DATE: 9/14/2004	LOG MILE:	4 OF 4